

Receipt date: 08/31/2009

10779331 - GAU: 3765 PTO/SB/08A (1-08)

Approved for use through 1/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known		
				Application Number	10/779,331	
				Filing Date	February 13, 2004	
				First Named Inventor	Don Hannula	
				Art Unit	3765	
Examiner Name	Larry D. Worrell, Jr.					
Sheet	1	of	5	Attorney Docket Number	TYHC:0128(P0402S-01A)FLE	

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
	A1	US-	4510938	04/16/1985	Jobsis et al.	
	A2	US-	5119815	06/09/1992	Chance	
	A3	US-	5217013	06/08/1993	Lewis et al.	
	A4	US-	5267563	12/07/1993	Swedlow et al.	
	A5	US-	5392777	02/28/1995	Swedlow et al.	
	A6	US-	5413101	05/09/1995	Sugiura	
	A7	US-	5482034	01/09/1996	Lewis	
	A8	US-	5490523	02/13/1996	Isaacson	
	A9	US-	5697367	12/16/1997	Lewis et al.	
	A10	US-	5792052	08/11/1998	Isaacson	
	A11	US-	5830137	11/03/1998	Scharf	
	A12	US-	5879294	03/09/1999	Anderson et al.	
	A13	US-	5902235	05/11/1999	Lewis et al.	
	A14	US-	5916154	06/29/1999	Hobbs et al.	
	A15	US-	6181959	01/30/2001	Schollermann et al.	
	A16	US-	6216021	04/10/2001	Franceschini et al.	
	A17	US-	6256524	07/03/2001	Walker et al.	
	A18	US-	6263223	07/17/2001	Shepherd et al.	
	A19	US-	6381480	04/30/2002	Kuroyama	

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	B1	EP1547515	06/29/2005	Barts And The London National Health Service Trt		
	B2	WO0059374	10/12/2000	Somanetics Corporation		
	B3	WO0176471	10/18/2001	Johansson		
	B4	WO03071928	09/04/2003	Neurophysics Corporation		
	B5	WO05010568	02/03/2005	The Titan Corporation		
	B6	WO9001293	02/22/1990	Gardosi		

Examiner Signature	/Danny Worrell/ (11/08/2009)	Date Considered	
--------------------	------------------------------	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /D.W./

Receipt date: 08/31/2009

10779331 - GAU: 3765

PTO/SB/08A (1-08)

Approved for use through 1/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known		
				Application Number	10/779,331	
				Filing Date	February 13, 2004	
				First Named Inventor	Don Hannula	
				Art Unit	3765	
Examiner Name	Larry D. Worrell, Jr.					
Sheet	2	of	5	Attorney Docket Number	TYHC:0128(P0402S-01A)FLE	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A20	US- 6615065	09/02/2003	Barrett et al.	
	A21	US- 6748254	06/08/2004	O'Neil et al.	
	A22	US- 6811538	11/02/2004	Westbrook et al.	
	A23	US- 6934570	08/23/2005	Kiani et al.	
	A24	US- 6934571	08/23/2005	Wiesmann et al.	
	A25	US- 6985763	01/10/2006	Boas et al.	
	A26	US- 7001334	02/21/2006	Reed et al.	
	A27	US- 7027850	04/11/2006	Wasserman	
	A28	US- 7047054	05/16/2006	Benni	
	A29	US- 7047055	05/16/2006	Boas et al.	
	A30	US- 7054453	05/30/2006	Boas et al.	
	A31	US- 7054454	05/30/2006	Boas et al.	
	A32	US- 7072704	07/04/2006	Bucholz	
	A33	US- 7085597	08/01/2006	Fein et al.	
	A34	US- 7113815	09/26/2006	O'Neil et al.	
	A35	US- 7132641	11/07/2006	Schulz et al.	
	A36	US- 7171251	01/30/2007	Sarsi et al.	
	A37	US- 7181264	02/20/2007	Wiesmann et al.	
	A38	US- 7190999	03/13/2007	Geheb et al.	

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	B7	WO9111137	08/08/1991	Medical Physics		
	B8	WO9512349	05/11/1995	Aarnoudse		
	B9	WO9817174	04/30/1998	Cardiac Crc Nominees Pty. Limited		
	B10	WO9947039	09/23/1999	Tuominen		
	B11					
	B12					

Examiner Signature	/Danny Worrell/ (11/08/2009)	Date Considered	
--------------------	------------------------------	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /D.W./

Receipt date: 08/31/2009

10779331 - GAU: 3765 PTO/SB/08A (1-08)

Approved for use through 1/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known			
				Application Number		10/779,331	
				Filing Date		February 13, 2004	
				First Named Inventor		Don Hannula	
				Art Unit		3765	
Examiner Name		Larry D. Worrell, Jr.					
Sheet	3	of	5	Attorney Docket Number		TYHC:0128(P0402S-01A)FLE	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A39	US- 7204250	04/17/2007	Burton	
	A40	US- 7220220	05/22/2007	Stubbs et al.	
	A41	US- 7231240	06/12/2007	Eda et al.	
	A42	US- 7245953	07/17/2007	Parker	
	A43	US- 7248910	07/24/2007	Li et al.	
	A44	US- 7289837	10/30/2007	Mannheimer et al.	
	A45	US- 7297119	11/20/2007	Westbrook et al.	
	A46	US- 7305262	12/04/2007	Brodnick et al.	
	A47	US- 7313427	12/25/2007	Benni	
	A48	US- 7349726	03/25/2008	Casciani et al.	
	A49	US- 7367949	05/06/2008	Korhonen et al.	
	A50	US- 7376454	05/20/2008	Casciani et al.	
	A51	US- 7415298	08/19/2008	Casciani et al.	
	A52	US- 20030225323	12/04/2003	Kiani et al.	
	A53	US- 20040117891	06/24/2004	Hannula et al.	
	A54	US- 20040163648	08/26/2004	Burton	
	A55	US- 20050027207	02/03/2005	Westbrook et al.	
	A56	US- 20050059869	03/17/2005	Scharf et al.	
	A57	US- 20050070776	03/31/2005	Mannheimer et al.	

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	B13					
	B14					
	B15					
	B16					
	B17					
	B18					

Examiner Signature	/Danny Worrell/ (11/08/2009)	Date Considered	
--------------------	------------------------------	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /D.W./

Receipt date: 08/31/2009

10779331 - GAU: 3765

PTO/SB/08A (1-08)

Approved for use through 1/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known		
				Application Number	10/779,331	
				Filing Date	February 13, 2004	
				First Named Inventor	Don Hannula	
				Art Unit	3765	
Examiner Name	Larry D. Worrell, Jr.					
Sheet	4	of	5	Attorney Docket Number	TYHC:0128(P0402S-01A)FLE	

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
	A58	US-	20050113656	05/26/2005	Chance	
	A59	US-	20050188991	09/01/2005	Sun et al.	
	A60	US-	20050261594	11/24/2005	Banet	
	A61	US-	20050277819	12/15/2005	Kiani et al.	
	A62	US-	20060195026	08/31/2006	Casciani et al.	
	A63	US-	20060195027	08/31/2006	Casciani et al.	
	A64	US-	20060211929	09/21/2006	Casciani et al.	
	A65	US-	20060217604	09/28/2006	Fein et al.	
	A66	US-	20060217605	09/28/2006	Fein et al.	
	A67	US-	20060217606	09/28/2006	Fein et al.	
	A68	US-	20060217607	09/28/2006	Fein et al.	
	A69	US-	20060217608	09/28/2006	Fein et al.	
	A70	US-	20060229510	10/12/2006	Fein et al.	
	A71	US-	20060229511	10/12/2006	Fein et al.	
	A72	US-	20060264726	11/23/2006	Mannheimer et al.	
	A73	US-	20060264727	11/23/2006	Mannheimer et al.	

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	B19					
	B20					
	B21					
	B22					
	B23					
	B24					

Examiner Signature	/Danny Worrell/ (11/08/2009)	Date Considered	
--------------------	------------------------------	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /D.W./

Receipt date: 08/31/2009

10779331 - GAU: 3765

PTO/SB/08A (1-08)

Approved for use through 1/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/779,331
				Filing Date	February 13, 2004
				First Named Inventor	Don Hannula
				Art Unit	3765
Examiner Name	Larry D. Worrell, Jr.				
Sheet	5	of	5	Attorney Docket Number	TYHC:0128(P0402S-01A)FLE

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A74	US- 20060276700	12/07/2006	O'Neil et al.	
	A75	US- 20060281984	12/14/2006	Mannheimer et al.	
	A76	US- 20070032732	02/08/2007	Shelley et al.	
	A77	US- 20070149871	06/28/2007	Sarsi et al.	
	A78	US- 20070293746	12/20/2007	Sarsi et al.	
	A79	US- 20080009691	01/10/2008	Parker	
	A80	US- 20080045822	02/21/2008	Phillips et al.	
	A81	US- 20080076988	03/27/2008	Sarsi et al.	
	A82	US- 20080076990	03/27/2008	Sarsi et al.	
	A83	US-			
	A84	US-			
	A85	US-			
	A86	US-			
	A87	US-			
	A88	US-			
	A89	US-			
	A90	US-			
	A91	US-			
	A92	US-			

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	B25					
	B26					
	B27					
	B28					
	B29					
	B30					

Examiner Signature	/Danny Worrell/ (11/08/2009)	Date Considered	
--------------------	------------------------------	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /D.W./